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(21) International Application Number: PCT/US99/26238 (22) International Filing Date: 8 November 1999 (08.11.99) (30) Priority Data: P98 01 05609 ✓ 6 November 1998 (06.11.98) AR P99 01 00679 ✓ 23 February 1999 (23.02.99) AR (71) Applicant (for all designated States except US): STERREN-BELD BIOTECHNOLOGIE NORTH AMERICA, INC. [US/US]; 1209 Orange Street, Wilmington, DE 19801 (US). (72) Inventors; and (73) Inventors/Applicants (for US only): CARCAGNO, Carlos, Miguel [AR/AR]; Guevara 275, 1427 Buenos Aires (AR). CRISCUOLO, Marcelo [AR/AR]; Guevara 349, Capital Federal (AR). MELO, Carlos [AR/AR]; Alsina 2737, Del Viso, Pcia Buenos Aires (AR). VIDAL, Juan, Alejandro [AR/AR]; Guise 1760, 9th floor, Apartment A, 1425 Buenos Aires (AR). (74) Agents: GOLDSTEIN, Jorge, A. et al.; Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600, 1100 New York Avenue, N.W., Washington, DC 20005-3934 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> <i>With an indication in relation to deposited biological material furnished under Rule 13bis separately from the description.</i>
(54) Title: HOST CELLS EXPRESSING RECOMBINANT HUMAN ERYTHROPOIETIN		
(57) Abstract <p>The gene coding for human erythropoietin (EPO) was obtained from human genomic DNA. The gene used does not include sequences from regions at <i>i</i> 5' of the first translated ATG and <i>ii</i> 3' of the stop codon of the EPO gene. The gene was cloned into an expression plasmid for eukaryotic cells that have as sole expression control elements the early promoter of the SV40 virus and its polyadenylation signal. Recombinant cells resulting from transfection with genetic constructs used provide an unexpectedly high level of protein expression of 50 mg of recombinant EPO per liter of culture medium per day.</p>		